

Amendments to the Claims

Please amend the claims in the manner indicated.

1-17. (cancelled)

18. (currently amended) A method comprising:

receiving a frame containing a single preamble and a header over an air interface at a first modulation rate; and

receiving a consolidated payload in the frame, at a second modulation rate different from the first modulation rate, wherein the consolidated payload includes multiple service data units;

wherein the consolidated payload further includes information indicating when an end of each of the multiple service data units will occur;

wherein the information includes multiple delimiters, each delimiter preceding an associated one of the multiple service data units and including an indication of a length of the associated service data unit;

wherein a particular one of the delimiters further includes a validation field, the method further comprising determining whether the particular delimiter is valid using information in the validation field, and if the particular delimiter is not valid, finding another delimiter received in the consolidated payload and receiving another service data unit associated with said another delimiter.

19-38. (cancelled)

39. (currently amended) An apparatus comprising:

a medium access control device, to receive multiple service data units from a physical device; and

the physical device, coupled to the medium access control device, which is operable to receive a frame containing a single preamble and a header over an air

interface at a first modulation rate[[;]] and to receive a consolidated payload in a same frame as the header at a second modulation rate different than the first modulation rate, wherein the consolidated payload includes the multiple service data units;

wherein the consolidated payload further includes information indicating when an end of each of the multiple service data units will occur, the information further including multiple delimiters, each delimiter preceding an associated one of the multiple service data units and containing an indication of a length of the associated service data unit;

wherein each delimiter further includes a validation field, and the physical device is further operable to determine whether a particular delimiter is valid using information in the validation field of the particular delimiter, and to find, if the particular delimiter is not valid, another delimiter received in the consolidated payload after the particular delimiter and to receive another service data unit associated with said another delimiter.

40-45. (cancelled)

46. (currently amended) The apparatus of claim [[44]] 39, further comprising one or more antennae, coupled to the physical device, which are operable to provide an interface between the air interface and the physical device.

47-53. (cancelled)

54. (currently amended) A computer-readable medium having program instructions stored thereon to perform a method, which when executed within a wireless local area network device, result in:

receiving a frame containing a single preamble and a header over an air interface at a first modulation rate; and

receiving a consolidated payload in the frame at a second modulation rate different than the first modulation rate, wherein the consolidated payload includes multiple service data units;

wherein the consolidated payload further includes information indicating when an end of each of the multiple service data units will occur;

wherein the information includes multiple delimiters, each delimiter preceding an associated one of the multiple service data units, each delimiter including an indication of a length of the associated service data unit;

wherein each of the delimiters further includes a validation field, and executing the program instructions further results in determining whether a particular delimiter is valid using information in the validation field of the particular delimiter, and finding, if the particular delimiter is not valid, another delimiter received after the particular delimiter in the consolidated payload and receiving another service data unit associated with said another delimiter.

55-60. (cancelled)